Statistical Profiles

Note:

As of 2001, the statistical tables and charts were changed to reflect the actual number of people involved in the Alberta apprenticeship and industry training system. In previous years, the data reflected the number of registrations, graduations and certificates issued rather than the number of apprentices registered and the number of certified individuals. The distinction is important. The first reflects the paper processed in a given period of time and the other reflects the number of people involved.

In the past, these numbers differed minimally. With the creation of various branches of individual trades and with the availability of multiple certifications within one trade, these numbers are increasingly divergent.

Please note that in 2003 the technical training information was also changed to reflect the school year. Prior to 2003, technical training attendance was provided based on the calendar year for consistency with other calendar year data (e.g. registrations). The switch to school year data provides a more accurate reading of the technical training data.

As a result of these changes, the data provided in the tables and charts that follow will not correspond to the data provided in Alberta Apprenticeship and Industry Training Annual Reports prior to the changes.

Contents

Alberta Apprenticeship and Provincial Labour Force Statistics, 2005 - 2010 (Table 1) 1

Total Number of Apprentices Registered (Totals, Averages and Percentage Changes) by Trade, 2005 - 2010 (Table 2) 2

New Apprentices Registered (Totals, Averages and Percentage Changes) by Trade, 2005 - 2010 (Table 3) 3

Total and New Apprentices Registered by Branch, 2010 (Table 4) 4

Total Number of Apprentices Registered by Year, 1990 - 2010 (Chart 1) 5

Age of Alberta Apprentices on Date of Registration in First Trade, 2010 (Chart 2) 5

Total Apprentices Being Trained by Employer Site Size, 2006 – 2010 (Chart 3) 6

Total Number of Individuals Certified, 2010 (Table 5) 7

Total Number of Completed Apprentices and Individuals Issued Occupation and Qualification Certificates (Totals, Averages and Percent Changes) by Trade, 2005 - 2010 (Table 6) 9

Technical Training Attendance by Institution and School Year, 2005-2006 – 2010-2011 (Table 7) 11

Total Number of Apprentices by Trade and Period (or Year) of Training, 2010 (Table 8) 12

Number of Apprentices Registered, Certified and Attending Technical Training by Apprenticeship and Industry Training Office Locations, 2010 (Table 9) 13

Meetings of the Trade, Occupation and Provisional Committees, 2010 (Table 10) 14

Number of Participants in the Registered Apprenticeship Program (RAP) by Trade as of December 31, 2010 (Table 11) 16

Number of New Registrants in the Registered Apprenticeship Program (RAP) by Year, 1992 - 2010 (Chart 4) 17

Total and Aboriginal Apprentices Registered, 1996 - 2010 (Chart 5) 17

Number of Apprentices Registered – Total, Aboriginal and Women, 2010 (Table 12) 18

Total Number of Women Apprentices Registered, 1996 - 2010 (Chart 6) 19

Table 1

Alberta Apprenticeship and Provincial Labour Force Statistics, 2005 - 2010

	2005	2006	2007	2008	2009	2010	2005-2010 % Change
Total Apprentices Registered (all trades)	46,472	59,666	67,274	70,415	69,904	63,029	35.6%
New Apprentices Registered (all trades)	17,896	23,954	22,663	22,668	16,594	15,199	-15.1%
Labour Force (thousands)	1,900.8	1,984.8	2,064.1	2,130.7	2,167.3	2,157.3	13.5%
Employed (thousands)	1,825.6	1,916.5	1,991.3	2,053.7	2,025.2	2,016.6	10.5%
Unemployed (thousands)	75.2	68.3	72.8	77.0	142.1	140.7	87.1%
Unemployment Rate (%)	4.0%	3.4%	3.5%	3.6%	6.6%	6.5%	2.5 percentage points

Source: *Alberta Advanced Education* and *Technology* and *Alberta Employment and Immigration*

Total Apprentices Registered: Total number registered as of December 31, 2010. Apprentices may be registered in more than one trade or branch of a trade within the same year but are counted here only once.

New Apprentices Registered: All apprentices registering during a single calendar year. The number includes those who are returning to do an additional apprenticeship after completing one or more apprenticeships in previous years, or continuing an apprenticeship in another trade for which they registered in a previous year. Apprentices who registered in more than one trade or branch of a trade within a specific year, or who changed from one branch of a trade to another branch within the same trade on the same day, are counted only once. The number does not include reinstated apprentices (unless reinstated in the same year).

Table 2

Total Number of Apprentices Registered (Totals, Averages and Percentage Changes) by Trade, 2005 - 2010*

TRADE	2005	2006	2007	2008	2009	2010	2005-10 Average	2005-10 % Change
Agricultural Equipment Technician	167	197	185	179	189	182	183	9%
Applicance Service Technician	79	75	97	108	115	109	97	38%
Auto Body Technician	691	766	742	797	893	844	789	22%
Automotive Service Technician	3,003	3,422	3,595	3,781	3,867	3,727	3,566	24%
Baker	217	253	259	265	237	201	239	-7%
Boilermaker	197	216	270	300	387	470	307	139%
Bricklayer	222	269	315	301	294	277	280	25%
Cabinetmaker	429	489	499	505	480	408	468	-5%
Carpenter	3,432	4,297	5,167	5,246	5,452	4,885	4,747	42%
Communication Technician	273	318	400	468	479	396	389	45%
Concrete Finisher	93	84	111	98	111	93	98	0%
Cook	999	1,120	1,183	1,180	1,146	1,093	1,120	9%
Crane and Hoisting Equipment Operator	2,009	2,663	2,703	2,594	2,373	2,229	2,429	11%
Electric Motor Systems Technician	46	56	74	88	94	83	74	80%
Electrician	7,295	8,864	9,964	10,735	10,930	10,485	9,712	44%
Electronic Technician (Note 1)	12	4	0	N/A	N/A	N/A	N/A	N/A
Elevator Constructor	90	136	187	225	282	278	200	209%
Floorcovering Installer	70	115	113	85	91	53	88	-24%
Gasfitter	302	318	362	394	405	392	362	30%
Glazier	166	197	247	321	354	387	279	133%
Hairstylist	2,082	2,252	2,335	2,350	2,645	2,494	2,360	20%
Heavy Equipment Technician	3,494	4,507	5,093	5,447	5,151	4,707	4,733	35%
Instrument Technician	1,444	1,797	1,906	1,923	1,918	1,875	1,811	30%
Insulator	521	620	632	824	723	873	699	68%
Ironworker	484	674	1,061	1,279	1,356	1,278	1,022	164%
Ironworker - Metal Building Systems Erector	90	84	82	74	89	90	85	0%
Landscape Gardener	200	199	205	188	214	204	202	2%
Lather-Interior Systems Mechanic	91	116	139	133	128	114	120	25%
Locksmith	62	63	62	68	78	77	68	24%
Machinist	935	1,151	1,254	1,132	1,010	804	1,048	-14%
Millwright	1,541	1,923	2,122	2,164	2,107	1,855	1,952	20%
Motorcycle Mechanic	214	246	311	324	310	266	279	24%
Outdoor Power Equipment Technician	81	85	93	91	108	105	94	30%
Painter and Decorator	150	164	146	124	148	119	142	-21%
Parts Technician	697	841	940	1,050	992	856	896	23%
Plumber	3,040	3,702	4,374	4,576	4,505	4,317	4,086	42%
Powerline Technician	343	454	525	596	654	659	539	92%
Power System Electrician	140	150	173	209	291	372	223	166%
Recreation Vehicle Service Technician	139	182	231	223	206	168	192	21%
Refrigeration and Air Conditioning Mechanic	547	620	698	765	808	809	708	48%
Rig Technician (Note 2)	446	2,116	3,229	3,823	3,793	2,263	2,612	407%
Roofer	166	180	185	188	229	230	196	39%
Sawfiler	15	15	16	11	11	8	13	-47%
Sheet Metal Worker	1,026	1,192	1,331	1,543	1,686	1,620	1,400	58%
Sprinkler Systems Installer	238	280	371	445	493	431	376	81%
Steamfitter-Pipefitter	2,427	3,046	3,597	4,607	4,434	3,675	3,631	51%
Structural Steel and Plate Fitter	146	220	206	159	130	113	162	-23%
Tilesetter	35	36	39	41	39	39	38	11%
Tool and Die Maker	7	3	5	6	3	1	4	-86%
Transport Refrigeration Technician	46	48	54	61	46	41	49	-11%
Water Well Driller	37	43	44	44	58	49	46	32%
Welder	5,796	8,798	9,342	8,277	7,362	5,925	7,583	2%
TOTAL	46,472	59,666	67,274	70,415	69,904	63,029	62,793	36%

Source: *Alberta Advanced Education and Technology*

* Total number of apprentices registered as of December 31 each year. Apprentices may be registered in more than one trade or branch of a trade within the same year but are counted here only once.

N/A = Not Applicable. Data does not exist in one or more of the specified years.

Note 1: The designation of the trade of electronic technician was rescinded effective September 1, 2007. Effective September 1, 2005, contracts of apprenticeship were no longer accepted for registration.
Note 2: 756 of the rig technician apprentices are from Canadian jurisdictions other than Alberta.
Note 3: Effective April 1, 2011, the designation of the trade of tool and die maker is rescinded. As of May 1, 2009, contracts of apprenticeship were no longer accepted for registration.

Table 3

New Apprentices Registered (Totals, Averages and Percentage Changes) by Trade, 2005 - 2010*

TRADE	2005	2006	2007	2008	2009	2010	2005-10 Average	2005-10 % Change
Agricultural Equipment Technician	67	68	49	61	59	46	58	-31%
Appliance Service Technician	21	28	40	39	34	26	31	24%
Auto Body Technician	226	249	246	268	255	184	238	-19%
Automotive Service Technician	799	1,117	1,020	1,015	886	739	929	-8%
Baker	83	113	120	115	69	56	93	-33%
Boilermaker	61	69	96	110	169	149	109	144%
Bricklayer	83	76	103	85	64	58	78	-30%
Cabinetmaker	138	161	151	159	98	92	133	-33%
Carpenter	1,243	1,612	1,743	1,655	1,234	1,043	1,422	-16%
Communication Technician	105	125	151	211	111	38	124	-64%
Concrete Finisher	37	31	55	26	42	26	36	-30%
Cook	417	452	439	447	379	382	419	-8%
Crane and Hoisting Equipment Operator	1,146	1,401	1,116	1,121	747	908	1,073	-21%
Electric Motor Systems Technician	14	18	28	24	21	14	20	0%
Electrician	2,277	2,872	2,911	2,988	2,210	2,280	2,590	0%
Electronic Technician (Note 1)	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Elevator Constructor	30	55	65	63	80	50	57	67%
Floorcovering Installer	33	62	34	28	26	35	36	6%
Gasfitter	112	126	137	170	151	146	140	30%
Glazier	64	70	105	124	100	115	96	80%
Hairstylist	958	961	998	962	992	930	967	-3%
Heavy Equipment Technician	1,317	1,782	1,604	1,688	1,214	1,022	1,438	-22%
Instrument Technician	530	650	503	551	433	461	521	-13%
Insulator	209	204	175	358	139	348	239	67%
Ironworker	286	410	713	669	371	313	460	9%
Ironworker - Metal Building Systems Erector	48	35	30	36	37	25	35	-48%
Landscape Gardener	65	44	60	55	67	53	57	-18%
Lather-Interior Systems Mechanic	41	42	51	45	39	27	41	-34%
Locksmith	15	17	23	23	24	20	20	33%
Machinist	307	422	317	261	179	98	264	-68%
Millwright	553	726	593	585	443	348	541	-37%
Motorcycle Mechanic	82	92	124	96	89	55	90	-33%
Outdoor Power Equipment Technician	28	27	31	36	39	30	32	7%
Painter and Decorator	56	53	41	36	42	35	44	-38%
Parts Technician	265	332	372	341	279	261	308	-2%
Plumber	964	1,203	1,481	1,246	862	843	1,100	-13%
Powerline Technician	137	167	187	193	198	187	178	36%
Power System Electrician	59	53	68	82	120	155	90	163%
Recreation Vehicle Service Technician	45	72	106	67	38	43	62	-4%
Refrigeration and Air Conditioning Mechanic	164	180	221	254	186	185	198	13%
Rig Technician (Note 2)	449	1,730	1,437	1,690	758	550	1,102	22%
Roofer	53	57	64	69	78	64	64	21%
Sawfiler	3	6	6	0	2	1	3	-67%
Sheet Metal Worker	324	391	468	487	407	321	400	-1%
Sprinkler Systems Installer	77	90	143	161	98	72	107	-6%
Steamfitter-Pipefitter	1,241	1,255	1,366	1,656	1,033	1,028	1,263	-17%
Structural Steel and Plate Fitter	60	102	44	55	24	40	54	-33%
Tilesetter	5	12	16	20	4	18	13	260%
Tool and Die Maker (Note 3)	1	0	2	2	0	N/A	1	N/A
Transport Refrigeration Technician	22	16	17	16	11	7	15	-68%
Water Well Driller	10	22	17	15	23	14	17	40%
Welder	2,565	4,096	2,776	2,204	1,630	1,258	2,422	-51%
TOTAL	17,896	23,954	22,663	22,668	16,594	15,199	19,829	-15%

Source: *Alberta Advanced Education and Technology*

N/A = Not Applicable. Data does not exist in one or more of the specified years.

* New apprentices include all apprentices registering during a single calendar year. The number includes those who are returning to do an additional apprenticeship after completing one or more apprenticeship programs in previous years, or continuing an apprenticeship in another trade for which they registered in a previous year. Apprentices who registered in more than one trade or branch of a trade within 2010, are counted here only once. The number does not include reinstated apprentices (unless reinstated in the same year).

Note 1: The designation of the trade of electronic technician was rescinded effective September 1, 2007. Effective September 1, 2005, contracts of apprenticeship were no longer accepted for registration.
Note 2: Approximately 168 of the newly registered rig technician apprentices are from Canadian jurisdictions other than Alberta.
Note 3: Effective April 1, 2011, the designation of the trade of tool and die maker is rescinded. As of May 1, 2009, contracts of apprenticeship were no longer accepted for registration.

Table 4

Total and New Apprentices Registered by Branch, 2010

	Total Registered Apprentices	New Apprentices Registered
Appliance Service Technician		
Appliance Service Technician	88	19
Commercial Appliance Service Technician	21	7
Total	109	26
Crane and Hoisting Equipment Operator		
Boom Truck		
Boom Truck	767	354
Wellhead Boom Truck	725	366
Mobile Crane	663	176
Tower Crane	74	12
Total	2,229	908
Gasfitter		
Gasfitter A	349	119
Gasfitter B	43	27
Total	392	146
Ironworker		
Ironworker	340	78
Metal Building Systems Erector	90	25
Reinforcing	293	102
Structural/Ornamental	645	133
Total	1,368	338
Parts Technician (Note 2)		
Parts Technician (old program)	49	0
Parts Technician (new program)	737	241
Materials Technician	70	20
Total	856	261
Welder		
Welder	5,901	1,249
Wire Process Operator	24	9
Total	5,925	1,258
Auto Body Technician		
Prepper	13	3
Refinisher	103	10
Repairer	122	6
Technician (Note 1)	606	165
Total	844	184
Heavy Equipment Technician		
Heavy Equipment Technician	3,869	777
Heavy Duty Equipment Mechanic (Off Road)	247	83
Transport Trailer Mechanic	120	29
Truck and Transport Mechanic	471	133
Total	4,707	1,022
Glazier		
Glazier	380	111
Auto Glass Technician	7	4
Total	387	115
Outdoor Power Equipment Technician		
Power	30	10
Turf	7	3
Marine	24	8
Recreational	44	9
Total	105	30
Sawfiler		
Sawfiler	7	0
Circular Sawfiler	1	1
Total	8	1

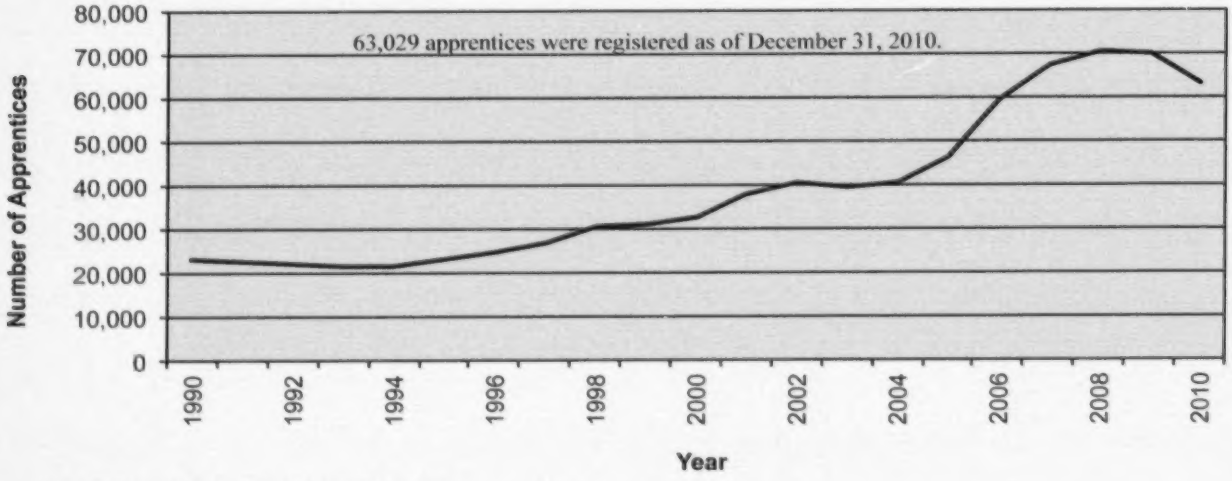
Source: *Alberta Advanced Education and Technology*

Note 1: Apprentices registered in a single branch of the auto body technician trade are counted under the branch in which they are registered. Apprentices registered in two or three branches of the trade are counted under the 'Technician' heading

Note 2: The parts technician trade merged with the warehousing occupation on May 1, 2008. The parts technician trade now has two branches - parts technician and materials technician. Apprentices who completed or were granted credit for first period technical training by June 30, 2008 could continue in the old parts technician program.

Chart 1

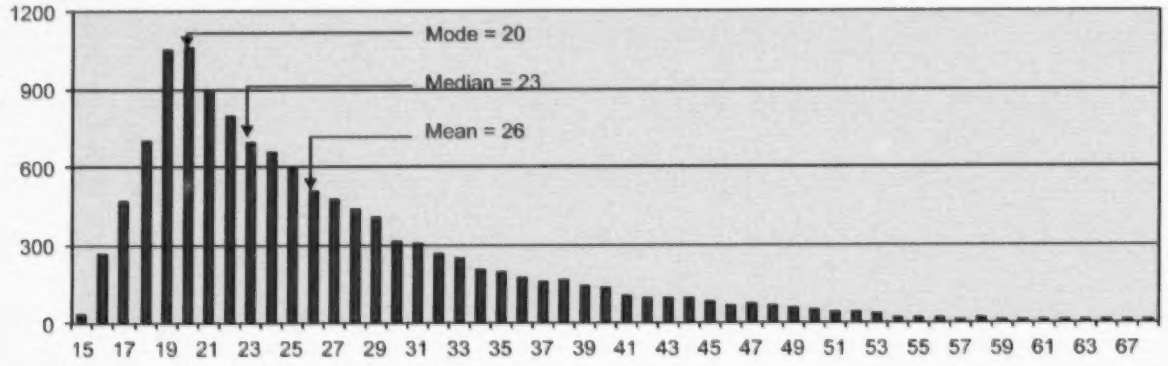
Total Number of Apprentices Registered by Year, 1990 - 2010



Source: *Alberta Advanced Education and Technology*
* This graph represents statistics covering a series of calendar years (January to December).

Chart 2

Age of Alberta Apprentices on Date of Registration in First Trade, 2010*



Total number of Alberta apprentices registering in their first trade in 2010 = 12,397**

Source: *Alberta Advanced Education and Technology*

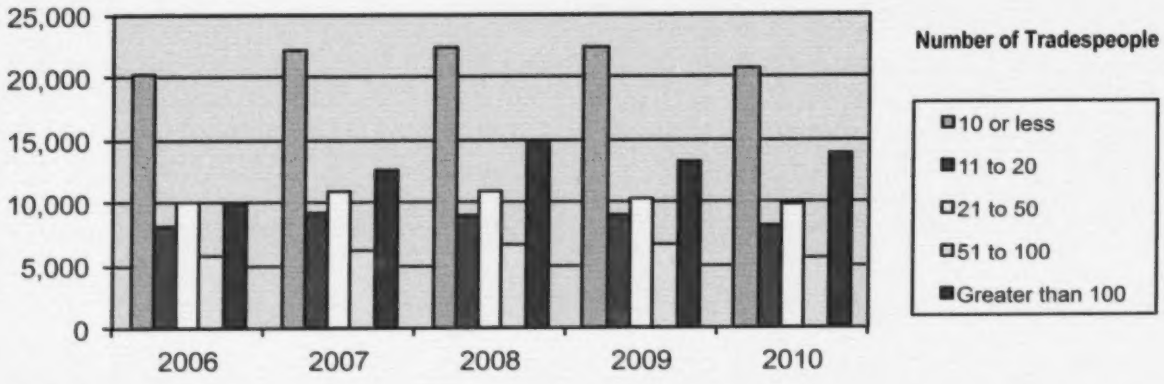
* Age at date of registration.

** The 12,397 total in the chart above includes only individuals registering in their first trade in Alberta in 2010. This number differs from the total number of new apprentices registered (15,199) as presented in Table 3. In Table 3, the number of new apprentices registered includes those who are returning to do an additional apprenticeship after completing one or more apprenticeship programs in previous years.

Mean - defined as the sum of the ages of all apprentices divided by the total number of apprentices involved, i.e., average age.
Median - defined as the middle age category with an equal number of apprentices younger and older than this group.
Mode - defined as the largest age category or most frequent age of apprentices.

Chart 3

Total Apprentices Being Trained by Employer Site Size, 2006 - 2010*



Source: *Alberta Advanced Education and Technology*

*The size of a employer site is determined by the number of tradespeople.

Table 5

Total Number of Individuals Certified, 2010*

Trade/Occupation	Journeyman Certificates Issued to Completed Apprentices and Individuals Issued Occupation Certificates	Interprovincial Red Seals Issued to Completed Apprentices and Trainees (Note 1)	Qualification Certificates (Note 2)	Equivalency Documents (Note 3)	Other Red Seals Issued (Note 4)
Agricultural Equipment Technician	27	24	0	0	0
Appliance Service Technician**	20	17	1	0	1
Auto Body Technician**	109	70	25	0	13
Automotive Service Technician	406	347	38	11	32
Baker	34	18	2	0	1
Boilermaker	58	46	4	0	3
Bricklayer	34	28	0	0	0
Cabinetmaker	32	28	0	0	0
Carpenter	467	431	7	2	7
Communication Technician	35	N/A	2	0	N/A
Concrete Finisher	12	10	1	0	1
Cook	189	182	18	1	16
Crane and Hoisting Equipment Operator**	385	116	29	4	4
Electric Motor Systems Technician	3	3	0	0	0
Electrician	1,462	1083	53	2	49
Elevator Constructor	29	N/A	0	0	N/A
Floorcovering Installer	24	18	2	0	2
Gasfitter	89	N/A	12	11	N/A
Glazier**	31	23	1	0	1
Hairstylist	611	484	70	0	64
Heavy Equipment Technician**	850	683	70	28	55
Instrument Technician	285	241	9	0	11
Insulator	64	32	0	0	0
Ironworker	82	46	51	0	31
Ironworker - Metal Building Systems Erector	3	N/A	2	0	0
Landscape Gardener	30	N/A	0	0	0
Lather-Interior Systems Mechanic	13	13	2	0	2
Locksmith	4	N/A	0	0	N/A
Machinist	170	161	4	0	4
Millwright	392	309	5	3	4
Motorcycle Mechanic	32	25	11	0	10
Outdoor Power Equipment Technician	4	N/A	1	0	N/A
Painter and Decorator	15	10	4	0	4
Parts Technician**	165	152	15	0	15
Plumber	541	473	19	1	14
Powerline Technician	95	88	42	0	44
Power System Electrician	36	N/A	5	0	N/A
Recreation Vehicle Service Technician	40	28	0	0	1
Refrigeration and Air Conditioning Mechanic	96	84	3	0	3
Rig Technician	104	90	85	0	71
Roofer	33	31	4	0	3
Sawfiler	1	N/A	0	0	N/A
Sheet Metal Worker	141	118	3	0	2
Sprinkler Systems Installer	48	43	2	0	2
Steamfitter-Pipefitter	462	349	229	3	183
Structural Steel and Plate Fitter	22	19	3	0	3
Tilesetter	8	3	0	0	0
Tool and Die Maker	0	0	0	0	0
Transport Refrigeration Technician	6	N/A	0	0	N/A
Water Well Driller	6	N/A	0	0	N/A
Welder**	1,530	1,296	83	2	70
Total - Trades	9,335	7,222	917	68	726

(continued)

Table 5 (continued)

Total Number of Individuals Certified, 2010*

Trade/Occupation	Journeyman Certificates Issued to Completed Apprentices and Individuals Issued Occupation Certificates	Interprovincial Red Seals Issued to Completed Apprentices and Trainees (Note 1)	Qualification Certificates (Note 2)	Equivalency Documents (Note 3)	Other Red Seals Issued (Note 4)
Construction Craft Labourer	56	11	1	0	2
Field Heat Treatment Technician	12	N/A	0	0	N/A
Gas Utility Operator	14	N/A	0	0	N/A
Industrial Construction Crew Supervisor	48	N/A	0	0	N/A
Oil and Gas Transportation Services	0	N/A	0	0	N/A
Snubbing Services	4	N/A	0	0	N/A
Steel Detailer	3	N/A	0	0	N/A
Warehousing	12	N/A	1	0	N/A
Well Testing Services Supervisor	2	N/A	0	0	N/A
Total - Occupations	151	11	2	0	2
TOTAL	9,486	7,233	919	68	728

Source: *Alberta Advanced Education and Technology*

* Individuals issued more than one certificate in 2010 are counted here only once.
** Indicates that some, not all, branches of this trade have a Red Seal designation.

N/A = Not Applicable.

Note 1: This number includes the number of Interprovincial Red Seals Issued to Completed Apprentices and Trainees in 2010 regardless of the year the apprentices or trainees completed their training.

Note 2: A Qualification Certificate is a certificate issued to individuals who, through an assessment of their prior work experience, knowledge and skills in a designated trade or occupation, demonstrate they meet the standards set for certification in Alberta.

Note 3: Equivalency documents were issued to individuals who hold a valid trade or occupational certificate to indicate that the person holds a specific certificate and is permitted to work in a particular trade, or branch of a trade, or that the person holds a specific certificate that is recognized as equivalent to an occupational certificate in a named occupation. Equivalency documents are not issued to individuals who hold a certificate that bears an Interprovincial Standards Red Seal.

Note 4: 'Other Red Seals Issued' includes red seals issued to individuals other than completed Alberta apprentices and trainees. The number includes red seals issued to individuals who were certified through the Alberta Qualification program or Occupation Certification program (without completing a trainee program) and to individuals who successfully completed the interprovincial examination in Alberta rather than in the jurisdiction in which they were originally certified.

Table 6

Total Number of Completed Apprentices and Individuals Issued Occupation and Qualification Certificates (Totals, Averages and Percent Changes) by Trade, 2005 - 2010*

TRADE/OCCUPATION	2005	2006	2007	2008	2009	2010	2005-10 Average	2005-10 % Change
Agricultural Equipment Technician	19	20	23	23	25	27	23	42%
Appliance Service Technician	11	14	9	25	10	21	15	91%
Auto Body Technician	130	113	122	118	110	134	121	3%
Automotive Service Technician	327	370	418	400	402	444	394	36%
Baker	26	30	36	29	42	36	33	38%
Boilermaker	24	37	32	25	29	62	35	158%
Bricklayer	35	15	27	45	43	34	33	-3%
Cabinetmaker	33	42	43	34	38	32	37	-3%
Carpenter	252	258	293	314	384	474	329	88%
Communication Technician	60	65	36	104	35	37	56	-38%
Concrete Finisher	16	19	7	7	16	13	13	-19%
Cook	193	161	152	166	150	207	172	7%
Crane and Hoisting Equipment Operator	459	426	390	401	369	414	410	-10%
Electric Motor Systems Technician	10	6	5	3	7	3	6	-70%
Electrician	1,007	1,057	1,357	1,275	1,184	1,515	1,233	50%
Electronic Technician (Note 1)	7	4	3	N/A	N/A	N/A	N/A	N/A
Elevator Constructor	16	5	6	16	14	29	14	81%
Floorcovering Installer	4	6	3	13	7	26	10	550%
Gasfitter	70	88	69	79	80	101	81	44%
Glazier	23	14	23	13	25	32	22	39%
Hairstylist	611	585	635	591	478	681	597	11%
Heavy Equipment Technician	417	526	562	689	776	920	648	121%
Instrument Technician	194	216	195	238	229	294	228	52%
Insulator	59	53	54	52	68	64	58	8%
Ironworker	76	193	98	114	129	133	124	75%
Ironworker - Metal Building Systems Erector	2	10	9	27	9	5	10	150%
Landscape Gardener	20	25	23	20	16	30	22	50%
Lather-Interior Systems Mechanic	17	7	9	9	18	15	13	-12%
Locksmith	5	6	8	4	3	4	5	-20%
Machinist	142	123	106	139	142	174	138	23%
Millwright	235	242	202	229	277	397	264	69%
Motorcycle Mechanic	36	31	30	30	38	43	35	19%
Outdoor Power Equipment Technician	6	7	10	7	6	5	7	-17%
Painter and Decorator	18	18	20	13	13	19	17	6%
Parts Technician	106	110	147	147	156	180	141	70%
Plumber	326	277	408	424	408	560	401	72%
Power Lineman	52	52	79	112	144	137	96	163%
Power System Electrician	28	39	33	32	35	41	35	46%
Recreation Vehicle Service Technician	15	20	28	31	30	40	27	167%
Refrigeration and Air Conditioning Mechanic	81	75	92	84	75	99	84	22%
Rig Technician (Note 2)	N/A	1,363	1,413	807	151	189	N/A	N/A
Roofer	9	12	19	24	12	37	19	311%
Sawfiler	4	7	3	1	2	1	3	-75%
Sheet Metal Worker	96	112	90	88	98	144	105	50%
Sprinkler Systems Installer	31	34	24	32	28	50	33	61%
Steamfitter-Pipefitter	477	968	490	507	789	691	654	45%
Structural Steel and Plate Fitter	19	18	26	26	30	25	24	32%
Tilesetter	6	5	6	2	2	8	5	33%
Tool and Die Maker	0	0	0	0	0	0	0	N/A
Transport Refrigeration Technician	13	9	6	4	9	6	8	-54%
Water Well Driller	6	12	8	8	6	6	8	0%
Welder	917	892	1,179	1,356	1,552	1,613	1,252	76%
Total - Trades	6,746	8,797	9,066	8,937	8,699	10,252	8,750	52%

(continued)

Table 6 (continued)

Total Number of Completed Apprentices and Individuals Issued Occupation and Qualification Certificates (Totals, Averages and Percent Changes) by Trade, 2005 - 2010*

TRADE/OCCUPATION	2005	2006	2007	2008	2009	2010	2005-10 Average	2005-10 % Change
Construction Craft Labourer	33	38	15	26	41	57	35	73%
Field Heat Treatment Technician	N/A	N/A	N/A	1	23	12	N/A	N/A
Gas Utility Operator	8	2	5	8	9	14	8	75%
Industrial Construction Crew Supervisor	N/A	N/A	N/A	2	47	48	N/A	N/A
Oil and Gas Transportation Services	5	1	16	16	5	0	N/A	-100%
Snubbing Services	N/A	N/A	27	11	14	4	N/A	N/A
Steel Detailer	1	3	10	2	9	3	5	200%
Warehousing	25	13	32	13	11	13	18	-48%
Well Testing Services Supervisor	5	6	9	35	18	2	N/A	-60%
Total - Occupations	**77**	**63**	**114**	**114**	**177**	**153**	**116**	**99%**
TOTAL	6,823	8,860	9,180	9,051	8,876	10,405	8,866	52%

Source: *Alberta Advanced Education and Technology*

* Individuals issued more than one certificate in each year are counted here only once.

N/A = Not Applicable. Data does not exist in one or more of the specified years .

Note 1: The designation of the trade of electronic technician was rescinded effective September 1, 2007. Effective September 1, 2005, contracts of apprenticeship were no longer accepted for registration.

Note 2: Rig technician became a designated trade on June 1, 2005, and was phased in over three years.

Table 7

Technical Training Attendance by Institution and School Year, 2005/06 - 2010/11*

INSTITUTION	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11*	2005/06 - 2010/11 Average	2005/06 - 2010/11 % Change
Delmar College of Hair Design (Note 1)	113	106	118	128	124	113	117	0%
Eveline Charles Academy (Notes 1 & 2)	N/A	N/A	N/A	N/A	113	116	N/A	N/A
Grande Prairie Regional College (Note 3)	828	1,061	1,337	1,407	1,201	1,088	1,154	31%
Keyano College	545	606	723	881	867	807	738	48%
Lakeland College	754	884	1,175	1,166	1,002	919	983	22%
Lethbridge College	659	878	1,073	1,123	917	811	910	23%
Marvel College (Note 2)	96	93	105	109	6	0	N/A	-100%
Medicine Hat College	446	591	565	606	576	561	558	26%
Northern Alberta Institute of Technology (Note 3)	9,610	11,645	13,224	14,073	13,508	12,478	12,423	30%
Northern Lakes College	21	60	109	140	148	186	111	786%
Olds College	258	281	367	362	336	311	319	21%
Portage College	78	126	151	143	130	102	122	31%
Red Deer College	2,154	2,750	3,238	3,343	2,914	2,458	2,810	14%
Southern Alberta Institute of Technology	6,398	8,029	9,503	10,334	8,835	7,665	8,461	20%
Other Training Providers *(Note 4)*	367	320	357	214	282	399	323	9%
TOTAL (Note 5)	22,327	27,430	32,045	34,029	30,959	28,014	29,134	25%

Source: *Alberta Advanced Education and Technology*

* These statistics cover the school year from August 1 to July 31 for each year represented, with the exception of the 2010/2011 school year. The data for this year is the attendance as of the date of printing.

Note 1: Delmar College and Eveline Charles Academy provide technical training for hairstylists. The hairstylist trade has a two-year apprenticeship program.
Note 2: Eveline Charles Academy won the bid to provide hairstylist training in the northern part of the province as of August 1, 2009, replacing Marvel College.
Note 3: Effective August 1, 2009, Grande Prairie Regional College assumed responsibility from NAIT for NAIT's Fairview campus and Grande Prairie campus.
Note 4: 'Other' training providers may not provide apprenticeship technical training every year. Other training providers include:
Alberta Carpenters Training Centre - provided first and second period carpenter training.
ATCO Electric - is accredited to provide technical training for its powerline technician apprentices.
British Columbia Institute of Technology - provided sawfiler training.
Crane Safety Ltd. - trains only crane and hoisting equipment operator - wellhead boom truck, which is a one-year apprenticeship program.
Edmonton Pipe Trades - provided first and second period apprenticeship training in the plumber, steamfitter-pipefiter and welder trades.
Enform - (previously Petroleum Industry Training Service) trains only crane and hoisting equipment operator - wellhead boom truck, which is a one-year apprenticeship program.
FortisAlberta Inc.- (previously Aquila Networks Canada, Utilicorp Networks Canada and Trans Alta Utilities) is accredited to provide technical training for its powerline technician apprentices.
Grande Cache Institution - provided training to inmates.
Piping Industry Training School of Calgary - provided first period apprenticeship training in the plumber trade.
Note 5: The historical numbers were updated to reflect minor corrections to the data. The numbers represented in this board annual report, therefore, may not exactly match the totals represented in previous board annual reports.

Table 8

Total Number of Apprentices by Trade and Period (or Year) of Training, 2010*

TRADE	1st Period	2nd Period	3rd Period	4th Period	No TT Required (Note 1)	Total Apprentices
Agricultural Equipment Technician	88	24	32	19	19	182
Appliance Service Technician	50	29	25	N/A	5	109
Auto Body Technician	370	391	45	1	37	844
Automotive Service Technician	1,087	731	997	655	257	3,727
Baker	79	33	27	N/A	62	201
Boilermaker	153	221	90	N/A	6	470
Bricklayer	103	76	72	N/A	26	277
Cabinetmaker	151	74	78	95	10	408
Carpenter	1,910	1,017	956	834	168	4,885
Communication Technician	114	93	107	41	41	396
Concrete Finisher	66	10	0	N/A	17	93
Cook	488	219	214	N/A	172	1,093
Crane and Hoisting Equipment Operator	1,718	0	289	N/A	222	2,229
Electric Motor Systems Technician	17	21	24	4	17	83
Electrician	2,910	2,288	2,200	2,571	516	10,485
Elevator Constructor	0	0	2	110	166	278
Floorcovering Installer	38	13	N/A	N/A	2	53
Gasfitter	148	109	95	N/A	40	392
Glazier	152	84	76	68	7	387
Hairstylist	808	456	N/A	N/A	1,230	2,494
Heavy Equipment Technician	1,482	1,006	1,174	620	425	4,707
Instrument Technician	699	266	306	340	264	1,875
Insulator	535	124	174	0	40	873
Ironworker	904	192	101	26	55	1,278
Ironworker - Metal Building Systems Erector	70	16	N/A	N/A	4	90
Landscape Gardener	103	39	37	14	11	204
Lather-Interior Systems Mechanic	47	37	25	N/A	5	114
Locksmith	33	27	5	10	2	77
Machinist	195	133	210	203	63	804
Millwright	537	439	335	398	146	1,855
Motorcycle Mechanic	93	57	66	40	10	266
Outdoor Power Equipment Technician	42	23	12	19	9	105
Painter and Decorator	65	31	10	N/A	13	119
Parts Technician	345	277	201	N/A	33	856
Plumber	1,310	987	1,032	809	179	4,317
Powerline Technician	238	150	159	0	112	659
Power System Electrician	40	26	185	87	34	372
Recreation Vehicle Service Technician	78	30	50	N/A	10	168
Refrigeration and Air Conditioning Mechanic	212	217	188	153	39	809
Rig Technician	1,054	746	409	N/A	54	2,263
Roofer	123	55	36	0	16	230
Sawfiler	1	0	7	0	0	8
Sheet Metal Worker	709	343	317	204	47	1,620
Sprinkler Systems Installer	133	109	108	0	81	431
Steamfitter-Pipefitter	1,895	981	708	N/A	91	3,675
Structural Steel and Plate Fitter	55	32	20	N/A	6	113
Tilesetter	28	4	0	N/A	7	39
Tool and Die Maker	0	0	0	1	0	1
Transport Refrigeration Technician	8	13	10	N/A	10	41
Water Well Driller	19	24	N/A	N/A	6	49
Welder	2,512	1,431	1,548	N/A	434	5,925
TOTAL	24,015	13,704	12,762	7,322	5,226	63,029

Source: *Alberta Advanced Education and Technology*

* These statistics are as of December 31, 2010.

N/A = Not all trades have four periods. The N/As indicate where there is no period in that trade.
Note 1: 'No TT Required' refers to those apprentices who have completed, or who have been granted credit for, all technical training (TT) requirements in their apprenticeship program. Industry examination and/or work experience/on-the-job training requirements for the trade have yet to be successfully completed.

Table 9

Number of Apprentices Registered, Certified and Attending Technical Training by Apprenticeship and Industry Training Office Locations, 2010*

	Total Apprentices Registered	New Apprentices Registered	Apprentices Certified	Technical Training Attendance**
Calgary	14,635	3,361	2,566	7,527
Lethbridge	2,086	521	331	1,096
Medicine Hat	1,776	483	251	774
Red Deer	4,630	1,192	817	2,218
Total - South Region	23,127	5,557	3,965	11,615
Bonnyville	1,331	371	178	553
Edmonton	26,399	6,191	3,679	11,961
Fort McMurray	3,647	890	415	1,366
Grande Prairie	2,672	753	409	1,187
Hinton	1,131	276	183	566
Peace River	836	209	126	400
Slave Lake	927	243	130	514
Vermilion	1,323	393	235	722
Total - North Region	38,266	9,326	5,355	17,269
Total - Regions	61,393	14,883	9,320	28,884
Interprovincial - Training Only (Note 1)	865	225	N/A	368
Interprovincial/International - Training and Certification (Note 2)	771	91	15	83
Total - Other	1,636	316	15	451
TOTAL	63,029	15,199	9,335	29,335

(Note 3)

Source: *Alberta Advanced Education and Technology*

* This table represents statistics covering the January to December 2010 calendar year. Technical training in Table 7 is reported as school year. For this table only, the technical training statistics cover the calendar year for comparability within this table.
** Attendance reflects the number of technical training seats occupied.

Note 1: Alberta provides training for apprentices from other provinces and territories where the trade is designated but the jurisdictions are unable to provide technical training due to small apprentice registration numbers. Alberta does not issue these individuals a certificate. They are not counted in Table 5 under Completed Apprentices.

Note 2: Alberta registers apprentices and provides technical training to people from jurisdictions where no program exists. Alberta issues a certificate on completion of the program.

Note 3: Not all apprentices attend technical training in any given year. The reasons for not attending may include:

- Apprentices do not normally attend technical training until they have had at least eight to 10 months of on-the-job training with their employer.
- Some apprentices are graduates of accredited post-secondary technical programs or have completed an apprenticeship program in another trade and have received credit for their technical training.
- Some have successfully completed all of the technical training and have only the required on-the-job training to complete before being eligible to be certified.
- Some prefer to obtain the study material (ILMs – individual learning modules) and learn at their own pace and challenge the industry exam.
- Some are in the Registered Apprenticeship Program (RAP) and attending high school and are not able to attend technical training.

Table 10

Meetings of the Trade, Occupation and Provisional Committees, 2010*

Trade/Occupation	Provincial Apprenticeship Committees, Occupation Committees, Provisional Committees			Local Apprenticeship Committees	All Committees
	Full Committee Meetings	Sub-Committee Meetings	Sub-Total	Sub-Total	TOTAL
Agricultural Equipment Technician	1	1	2	N/A	2
Appliance Service Technician	0	2	2	1	3
Auto Body Technician	1	5	6	0	6
Automotive Service Technician	2	5	7	8	15
Baker	0	3	3	0	3
Boilermaker	0	0	0	N/A	0
Bricklayer	0	5	5	0	5
Cabinetmaker	1	4	5	2	7
Carpenter	0	2	2	1	3
Communication Technician	1	0	1	0	1
Concrete Finisher	0	2	2	N/A	2
Cook	0	4	4	3	7
Crane and Hoisting Equipment Operator	1	3	4	2	6
Electric Motor Systems Technician	1	0	1	0	1
Electrician	1	4	5	5	10
Elevator Constructor	0	5	5	N/A	5
Floorcovering Installer	2	1	3	N/A	3
Gasfitter	0	1	1	1	2
Glazier	0	0	0	1	1
Hairstylist	2	6	8	2	10
Heavy Equipment Technician	0	6	6	1	7
Instrument Technician	0	10	10	0	10
Insulator	1	1	2	N/A	2
Ironworker	0	2	2	N/A	2
Landscape Gardener	1	7	8	0	8
Lather-Interior Systems Mechanic	1	1	2	N/A	2
Locksmith	0	1	1	1	2
Machinist	0	2	2	0	2
Millwright	1	1	2	5	7
Motorcycle Mechanic	0	4	4	2	6
Outdoor Power Equipment Technician	0	1	1	0	1
Painter and Decorator	1	0	1	1	2
Parts Technician	1	1	2	4	6
Plumber	1	8	9	1	10
Powerline Technician	1	1	2	0	2
Power System Electrician	0	3	3	N/A	3
Recreation Vehicle Service Technician	1	1	2	1	3
Refrigeration and Air Conditioning Mechanic	1	8	9	3	12
Rig Technician	1	3	4	N/A	4
Roofer	1	7	8	N/A	8
Sawfiler	0	0	0	N/A	0
Sheet Metal Worker	1	9	10	0	10
Sprinkler Systems Installer	1	3	4	0	4
Steamfitter- Pipefitter	1	1	2	0	2
Structural Steel and Plate Fitter	1	1	2	N/A	2
Tilesetter	0	1	1	1	2
Tool and Die Maker	0	0	0	N/A	0
Transport Refrigeration Technician	2	3	5	N/A	5
Water Well Driller	2	2	4	N/A	4
Welder	0	1	1	1	2
Total - All Trade Committees	**33**	**142**	**175**	**47**	**222**

(continued)

Table 10 (continued)

Meetings of the Trade, Occupation and Provisional Committees, 2010*

Trade/Occupation	Provincial Apprenticeship Committees, Occupation Committees, Provisional Committees			Local Apprenticeship Committees	All Committees
	Full Committee Meetings	Sub-Committee Meetings	Sub-Total	Sub-Total	TOTAL
Construction Craft Labourer	0	0	0	N/A	0
Field Heat Treatment Technician (Note 2)	0	0	0	N/A	0
Gas Utility Operator	0	0	0	N/A	0
Industrial Construction Crew Supervisor	1	1	2	N/A	2
Oil and Gas Transportation Services	0	0	0	N/A	0
Snubbing Services	0	0	0	N/A	0
Steel Detailer	1	1	2	N/A	2
Well Testing Services Supervisor	0	0	0	N/A	0
Total - All Occupation Committees	2	2	4	N/A	4
Cathodic Protection	0	1	1	N/A	1
Fireproofer	0	0	0	N/A	0
Natural Gas Compression Technician	0	0	0	N/A	0
Overhead Door Technician	1	0	1	N/A	1
Railway Car Technician	0	0	0	N/A	0
Residential Site Manager	0	0	0	N/A	0
Slickline Operator	0	0	0	N/A	0
Total - All Provisional Committees	1	1	2	N/A	2
Total - All Trade, Occupation and Provisional Committees	36	145 *Note 1*	180 *Note 1*	47	228

Source: *Alberta Advanced Education and Technology*

* The meetings counted in this table are in-person meetings only. Many committees also conduct meetings on a single item or through ballots, faxes or phone conversations. These are not included in this table.

N/A: Not applicable refers to trades where local apprenticeship committees do not exist. Designated occupations do not have local committees.

Note 1: One of the subcommittee meetings was joint, therefore, the meeting is counted in the totals for each of the two committees (Electrician Provincial Apprenticeship Committee and Instrument Technician Provincial Apprenticeship Committee) but is only counted once in the subcommittee total.

Table 11

Number of Participants in the Registered Apprenticeship Program (RAP) by Trade as of December 31, 2010

Trade	High School	Full Time	Certified (Note 1)
Agricultural Equipment Technician	35	42	19
Appliance Service Technician	5	4	3
Auto Body Technician	44	123	56
Automotive Service Technician	179	358	262
Baker	7	10	7
Boilermaker	0	1	0
Bricklayer	8	13	10
Cabinetmaker	28	55	23
Carpenter	115	392	128
Communication Technician	4	4	1
Concrete Finisher	10	7	3
Cook	78	105	46
Crane and Hoisting Equipment Operator	1	16	8
Electric Motor Systems Technician	0	1	1
Electrician	152	423	271
Elevator Constructor	1	0	0
Floorcovering Installer	4	7	3
Gasfitter	3	4	2
Glazier	8	3	6
Hairstylist	121	227	343
Heavy Equipment Technician	178	394	291
Instrument Technician	32	89	50
Insulator	1	5	1
Ironworker	4	1	1
Ironworker - Metal Building Systems Erector	1	2	0
Landscape Gardener	3	12	3
Lather-Interior Systems Mechanic	9	3	1
Locksmith	2	3	2
Machinist	22	39	44
Millwright	43	104	61
Motorcycle Mechanic	19	26	14
Outdoor Power Equipment Technician	15	11	1
Painter and Decorator	7	6	4
Parts Technician	26	48	49
Plumber	71	144	68
Power Lineman	6	13	8
Power System Electrician	0	0	0
Recreational Vehicle Service Technician	4	1	4
Refrigeration and Air Conditioning Mechanic	9	16	16
Rig Technician	0	0	0
Roofer	0	6	3
Sawfiler	0	0	0
Sheet Metal Worker	14	57	10
Sprinkler Systems Installer	5	5	6
Steamfitter-Pipefitter	13	43	34
Structural Steel and Plate Fitter	2	5	7
Tilesetter	5	2	2
Tool and Die Maker	N/A	0	0
Transport Refrigeration Mechanic	0	1	2
Water Well Driller	2	0	2
Welder	172	424	565
TOTAL	1,468	3,255	2,441 *(Note 1)*

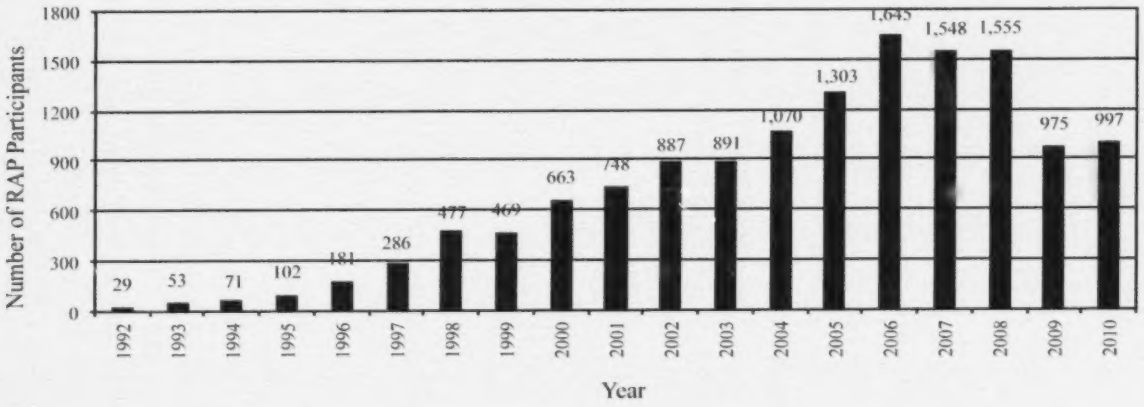
Source: *Alberta Advanced Education and Technology*

High School = RAP participants currently in high school.
Full Time = RAP participants who have completed high school and are now full time apprentices.
Certified = RAP participants who have completed their apprenticeship program and are now certified tradespeople.

Note 1: Total number of RAP participants certified since inception of program.

Chart 4

Number of New Registrants in the Registered Apprenticeship Program (RAP) by Year, 1992 - 2010

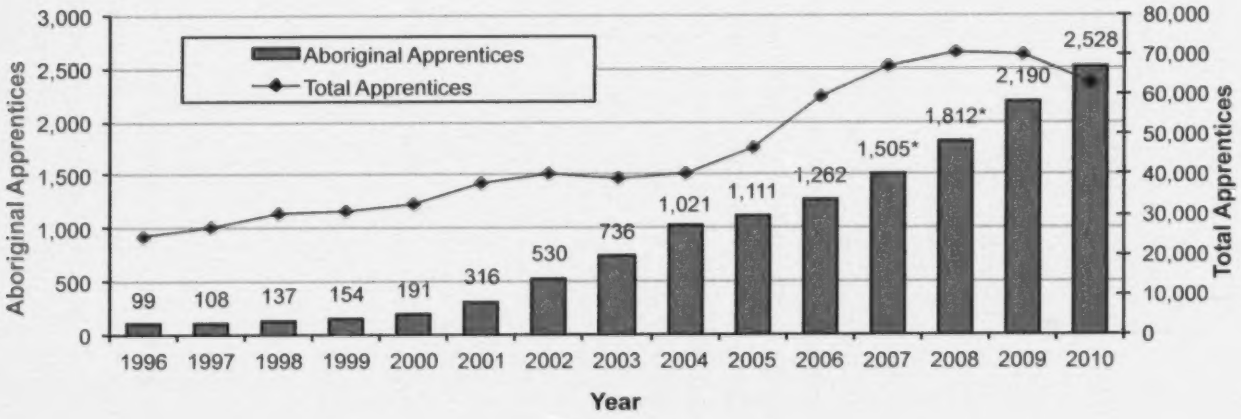


Source: *Alberta Advanced Education and Technology*

* This graph represents statistics covering a series of calendar years (January to December).

Chart 5

Total and Aboriginal Apprentices Registered, 1996 - 2010



Source: *Alberta Advanced Education and Technology*

* In 2007 and 2008, the methodology changed, therefore, the numbers in those two years cannot be compared to those of previous years.

Table 12

Number of Apprentices Registered - Total, Aboriginal and Women, 2010*

Trade	Total Apprentices Registered	Aboriginal Apprentices Registered	Women Apprentices Registered
Agricultural Equipment Technician	182	1	3
Appliance Service Technician	109	0	3
Auto Body Technician	844	25	43
Automotive Service Technician	3,727	104	107
Baker	201	7	131
Boilermaker	470	19	22
Bricklayer	277	9	5
Cabinetmaker	408	7	70
Carpenter	4,885	352	235
Communication Technician	396	7	20
Concrete Finisher	93	7	4
Cook	1,093	42	337
Crane and Hoisting Equipment Operator	2,229	98	34
Electric Motor Systems Technician	83	2	1
Electrician	10,485	293	565
Elevator Constructor	278	5	2
Floorcovering Installer	53	1	1
Gasfitter	392	11	8
Glazier	387	15	12
Hairstylist	2,494	110	2,260
Heavy Equipment Technician	4,707	182	74
Instrument Technician	1,875	64	96
Insulator	873	53	162
Ironworker	1,278	113	55
Ironworker - Metal Building Systems Erector	90	7	2
Landscape Gardener	204	9	82
Lather-Interior Systems Mechanic	114	12	7
Locksmith	77	1	11
Machinist	804	8	31
Millwright	1,855	62	40
Motorcycle Mechanic	266	13	11
Outdoor Power Equipment Technician	105	2	1
Painter and Decorator	119	5	32
Parts Technician	856	27	267
Plumber	4,317	157	148
Powerline Technician	659	33	7
Power System Electrician	372	6	14
Recreation Vehicle Service Technician	168	4	14
Refrigeration and Air Conditioning Mechanic	809	13	13
Rig Technician (Note 1)	2,263	66	2
Roofer	230	10	2
Sawfiler	8	0	1
Sheet Metal Worker	1,620	44	65
Sprinkler Systems Installer	431	13	10
Steamfitter-Pipefitter	3,675	191	161
Structural Steel and Plate Fitter	113	1	4
Tilesetter	39	1	4
Tool and Die Maker	1	0	0
Transport Refrigeration Technician	41	0	2
Water Well Driller	49	3	1
Welder	5,925	313	364
Total - Trades	63,029	2,528 *(Note 2)*	5,546

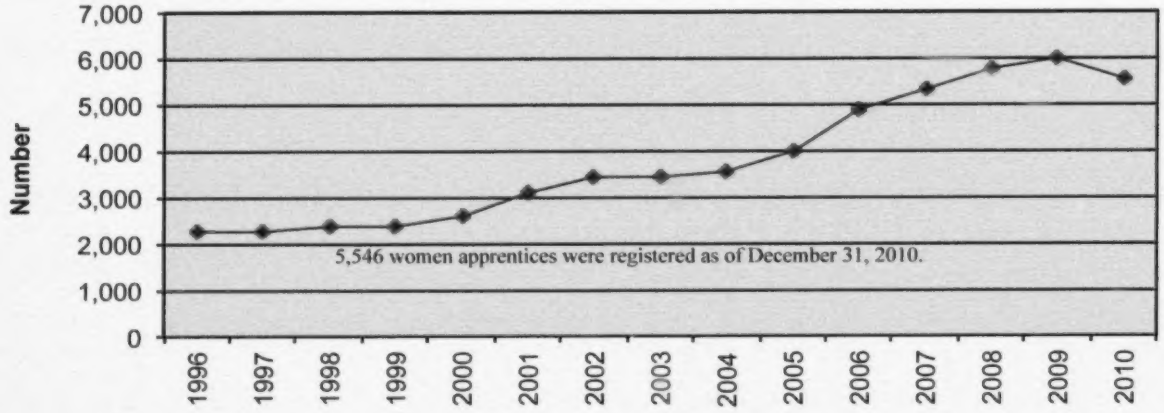
Source: *Alberta Advanced Education and Technology*

* Total number of apprentices registered as of December 31. Apprentices may be registered in more than one trade or branch of a trade within the same year, but are counted here only once.

Note 1: 756 of the rig technician apprentices are from Canadian jurisdictions other than Alberta.
Note 2: Apprentices choose whether or not to disclose their Aboriginal heritage when registering. The total number of Aboriginal apprentices reflected here indicates those who disclosed their Aboriginal heritage. There may be additional apprentices with Aboriginal heritage registered who did not disclose that information.

Chart 6

Total Number of Women Apprentices Registered, 1996 - 2010 - All Trades*



Source: *Alberta Advanced Education and Technology*

* This graph represent statistics covering calendar years (January to December).